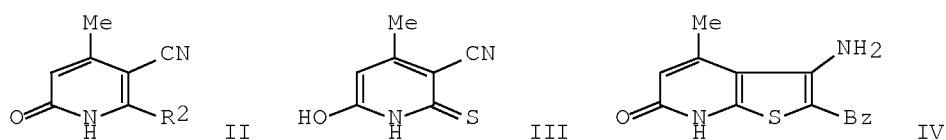


ORIGINAL REFERENCE NO.: 101:34969a,34972a
 TITLE: New method for the synthesis of substituted
 2-pyridones
 AUTHOR(S): Litvinov, V. P.; Sharanin, Yu. A.; Promonenkov, V. K.;
 Rodinovskaya, L. A.; Shestopalov, A. M.; Mortikov, V.
 Yu.
 CORPORATE SOURCE: Inst. Org. Khim. im. Zelinskogo, Moscow, USSR
 SOURCE: Izvestiya Akademii Nauk SSSR, Seriya Khimicheskaya
 (1984), (8), 1869-70
 CODEN: IASKA6; ISSN: 0002-3353
 DOCUMENT TYPE: Journal
 LANGUAGE: Russian
 OTHER SOURCE(S): CASREACT 101:230317
 GI



AB Treating RCOCH:CMerl (I, R = EtO, PhNH; Rl = morpholino) with $\text{NCCH}_2\text{CSNH}_2$ in EtOH 5 h at 20° gave 87% II ($\text{R}_2 = \text{SH}$) as its morpholinium salt, which was alkylated by PhCOCH_2Br to give 89% II ($\text{R}_2 = \text{SCH}_2\text{COPh}$). The latter was also obtained in 93% yield by alkylation of III with PhCOCH_2Br in DMF. Oxidation of III by CrO_3 gave 57% corresponding ketone. Cyclocondensation of III with PhCOCH_2Br in EtOH gave 80% IV. Treating I (R = EtO) with $\text{NCCH}_2\text{CSNH}_2$ and concentrated HCl gave III.

IT 93272-87-8P

RL: SPN (Synthetic preparation); PREP (Preparation)
 (preparation of)

RN 93272-87-8 CAPLUS

CN Thieno[2,3-b]pyridin-6(7H)-one, 3-amino-2-benzoyl-4-methyl- (CA INDEX NAME)

